

MARTIN MARIETTA

0045240

MARTIN MARIETTA ENERGY SYSTEMS, INC.POST OFFICE BOX 2003
OAK RIDGE, TENNESSEE 37831⁷⁴⁴⁰

July 11, 1991

Ms. Joan Kessner
Westinghouse Hanford Company
2355 Stevens Drive
Richland, Washington 99352

Dear Ms. Kessner:

Analytical Results on Project EN52C: 618-9 Burial Ground Trench Samples

Attached are the anion results on one (1) 618-9 Burial Ground Trench soil sample, Project EN52C, received into the Analytical Chemistry Department (ACD) laboratories on May 25, 1991. Also attached are copies of the Chain of Custody records for the sample. The Westinghouse Chain of Custody was signed as relinquished by J. Demarest but not signed as received at the time of shipping. The Cooler Receipt Form verifies receipt at the ACD laboratories on May 25, 1991. The sample was entered into the AnaLis system as being received on May 28, 1991.

The AnaLis ID number is 910530-001 for sample number BOOY82. EPA Method 300.0 was utilized to perform the analysis for chloride, nitrate, and sulfate anions in accordance with agreements between the OSM and K-25 ACD. As previously requested in the letter dated December 20, 1990, the results are reported in ACD's AnaLis report format. All data quality objectives were satisfied on this project.



Ms. Joan Kessner

2

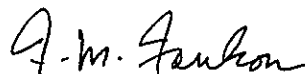
July 11, 1991

I certify that this data package is in compliance with the terms and conditions of the OSM's revised Statement of Work and letter dated December 20, 1990, both technically and for completeness, for other than the conditions stated above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signatures.

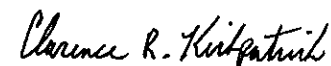
Sincerely,



Deborah L. Amburgey
Program Manager
Hanford Support Program



Fred M. Faulcon
Program Manager
Waste Management Analysis



Clarence R. Kirkpatrick
Department Manager
Analytical Chemistry Department (K-25)

cc/attach: D.L.Amburgey
S.R.Smith - RC

cc: N.P.Buddin
H.H.Sullivan

MARTIN MARIETTA

MARTIN MARIETTA ENERGY SYSTEMS, INC.

CHAIN OF CUSTODY RECORD

SAMPLING AND ENVIRONMENTAL SUPPORT DEPARTMENT

SES/COC NO

000211

[illegible]

COOLER RECEIPT FORM
for SOP 2332

File with receiving
and C-O-C records.

Date: 5-25-91 Shipper ID and Document No: 247 424938 2

Cooler ID if noted on outside of cooler: RM # 33

Project No: _____ Subproject No: _____ Site Location: Hanford

Custody seal on cooler? ☒ Yes ☐ No

Condition of cooler acceptable? ☒ Yes ☐ No

Radioactive labels? Yes ☒ No

Hazardous labels? Yes ☒ No

Custody form(s) inside of cooler? ☒ Yes ☐ No

Was cooler required to be maintained at 4 deg C? ☒ Yes ☐ No

Sample containers intact? ☒ Yes ☐ No

Are containers those specified for requested parameters? ? Yes ☒ No

Date of login: _____

Lab assigned ID No: _____

Thru _____

Custody seals dated and signed? Yes ☒ No

Prog. Mgr. notified of receipt of cooler? ☒ Yes ☐ No

Radioactivity recheck OK? ~~Yes~~ No ?

Samples properly labeled? ? Yes ☒ No

Custody form(s) properly completed and signed? ? Yes ☒ No

Thermometer inside of cooler? Yes ☒ No

Temperature of cooler: 4 deg C (X.X)

VOA containers free of bubbles? NA ~~Yes~~ No

Additional information needed from Prog. Mgr.? ☒ Yes ☐ No

NOTE: Nitrite-N, Nitrate-N, o-Phosphate-o-Phosphate-P have 48-hour holding time. LOG IN THESE FIRST - ASAP

The lab numbers plus the project number are used for tracking purposes.

Comments:

Signed: J. Decker

No analysis specified on container
Custody forms list sample as BOOY82.
Bottle labeled BOOY82.
Sample not relinquished on chain of custody form

Custody Form Initiator C.E. HeidenCompany Contact Ron MitchellTelephone 376-5122Project Designation/Sampling Locations Life-9 Burial Ground TrenchCollection Date 5/22/91Ice Chest No. #33Field Logbook No. -Bill of Lading/Airbill No. 247424948 1Offsite Property No. W91-0370Method of Shipment EmeryShipped to Martin Marietta Energy Systems Oak Ridge, TN

Possible Sample Hazards/Remarks _____

Sample Identification

Bioyess - Soil 1-350 ml glass jar☐ Field Transfer of Custody

CHAIN OF POSSESSION

(Sign and Print Names)

Relinquished by: C.E. HeidenReceived by: J. DEMAREST

Date/Time:

C.E. HeidenJ. Demarest5/23/91 1315Relinquished by: J. DEMAREST

Received by:

Date/Time:

J. Demarest

Relinquished by:

Received by:

Date/Time:

Relinquished by:

Received by:

Date/Time:

Final Sample Disposition

Disposal Method:

Disposed by:

Date/Time:

Comments:

2015

Next Day Service

"Signature Security"

Contractor Westinghouse Hanford Co.	OFF-SITE PROPERTY CONTROL	CONTROL NUMBER (To be obtained from PROPERTY MANAGEMENT) 1091-0370
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PART I - TO BE COMPLETED BY ORIGINATOR

Department Env. Engineering	Section Technical Baseline	Unit
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The following items are to be shipped from	<input checked="" type="checkbox"/> Contractor	<input type="checkbox"/> Vendor
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Routing Emery	<input checked="" type="checkbox"/> Contractor	<input type="checkbox"/> Vendor
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Shipped to U.S. Dept. of Energy c/o Mattin Marietta Energy Systems Oak Ridge Gaseous Diffusion Plant Blair Rd., Highway 58 Oak Ridge, TN 37831-7440	Off-site Custodian Attn: C. R. Kirkpatrick Full Title K-1004A drop point A20 Project Coordinator
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Quantity	Description (Include Serial and any Government Tag Numbers)	Original Cost
1	Poly Ice Chest - Glass jars of soil packed in vermiculite and blue ice. - Sample #s. BOYER (Ice Chest #33)	

<input type="checkbox"/> Classified	<input type="checkbox"/> Unclassified	<input type="checkbox"/> Shipped Under DOE Contract	<input type="checkbox"/> Shipped Under Contractor's Use Permit Contract
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Necessity for the Off-Site Use of this Property

Program is not available on site.
Bill of lading # 247434448 1

CERTIFICATION OF THE RADIATION MONITORING RELEASE MUST BE SECURED THE SAME DAY THAT MATERIAL IS DELIVERED TO SHIPPING.

RM Clearance for Public Release <i>[Signature]</i>	RM Survey No 10074	Date 5-23-91	
Location of Property (Area & Bldg) 610-7 Bldg 1 Ground	Contact Ron Mitchell	Phone (509) 376-5122	
Date Ready for Shipment 5/23/91	Cost Code to be Charged EN52E	Approximate Date This Property will be Returned	
Originated By Ron Mitchell	Date 5/23/91	Authorized By <i>[Signature]</i>	Date
Signature and Name of Property Control	Custodian Date	Property Management Approval <i>[Signature]</i>	Date 5/23/91

PART II - TO BE COMPLETED BY SHIPPING

Signature of Recipient <i>[Signature]</i>	Return Order No	Date Issued	Purchase Order No.	Date Issued
Date 5/23/91				

DISTRIBUTION

By Originator White, Green, Yellow, Pink - Property Management Goldenrod - Retain	Shipping Operation - Sign all Copies and Forward to: White - Property Management Yellow - Retain Green - Property Control Custodian (Issuing Office) Pink - Originator
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EMERY
WORLDWIDE



SIGNATURE AND TALLY RECORD

60029 48 (8-89) Litho USA

DATE: 05-23-91 SHIPMENT NO.: 247424938 2
SHIPPER: WESTINGHOUSE SHIPPING DEPT (509) 376-6665
REFERENCE NO.:

SHIPPER NAME AND ADDRESS

WESTINGHOUSE SHIPPING DEPT (509) 376-6665
G2-06 US DEPARTMENT OF ENERGY C/O
WESTINGHOUSE HANFORD COMPANY
2355 STEVENS DRIVE 1163 BUILDING
PO BOX 1970
RICHLAND WA 99352

CONSIGNEE NAME AND ADDRESS

CR KIRKPATRICK
MARTIN MARIETTA ENERGY SYSTEMS
OAK RIDGE GASEOUS DIFFUSION PLANT
BLAIR ROAD HIGHWAY 58
OAK RIDGE TN 37831-7440

Pieces	Weight	Description/Marks	Emery Authorization No.
1	44 LBS	W91-0373 #1 0521A, 6521-1, 6521-2 POLYCOOLER # SMC 77 STORAGE TANK SAMPLES	

EACH PERSON HANDLING OR TAKING CUSTODY OF THIS SHIPMENT MUST SIGN AND COMPLETE THE INFORMATION BELOW

Name of Person/Company	Transship Point/Destination	Signature of Person Accepting Custody	Time/Date
1. JOYCE DEMAREST WESTINGHOUSE SHIPPING 1167/1100	RICHLAND WA		105-23-91
2.			
3.			
4. <i>Suf</i>	<i>HPY</i>	<i>Lut</i>	<i>0310 5/24</i>
5.			
6. <i>TL Duncan</i>	<i>OAK Ridge</i>	<i>TL Duncan</i>	<i>1845 5-24-91</i>
7. <i>J. Gadson</i>	<i>K-25</i>	<i>J. Gadson</i>	<i>1510 5-24-91</i>
8.			

SPECIAL HANDLING INSTRUCTIONS

CONSIGNEE COPY

FORM OF PAYMENT		SERVICES	
CASH <input type="checkbox"/> GBL <input type="checkbox"/> CBL <input type="checkbox"/> <input type="checkbox"/> FCCOD <input type="checkbox"/> 2 PPD <input checked="" type="checkbox"/> COL <input type="checkbox"/> OTH <input type="checkbox"/> COMAT <input type="checkbox"/>		UNITED STATES / CANADA <input type="checkbox"/> Same Day <input type="checkbox"/> AM <input type="checkbox"/> PM <input type="checkbox"/> Second Day <input type="checkbox"/> Saturday Delivery INTERNATIONAL <input type="checkbox"/> Express <input type="checkbox"/> Preferred <input type="checkbox"/> Standard <input type="checkbox"/> Business Documents <input type="checkbox"/> Customs Clearance <input type="checkbox"/> Delivery <input type="checkbox"/>	
EMERY WORLDWIDE Shipper's Account Number E 850281585		Company Date 05-23-91 Origin PSC Shipment Number 247424938-2	
From: WESTINGHOUSE SHIPPING DEPT (509) 376-6665 US DEPARTMENT OF ENERGY C/O WESTINGHOUSE HANFORD BLDG 1163 2355 STEVENS DRIVE RICHLAND WA		To: CR KIRKPATRICK MARTIN MARIETTA ENERGY SYSTEMS OAK RIDGE CASEOUS DIFFUSION PLANT BLAIR ROAD HIGHWAY 58 OAK RIDGE, TN	
Customer's Reference Numbers N28450 Y22568 W91-0373#1 99352		Consignee's Account Number E 37831-7440	
Description 1 POLYCOOLER storage TANK SAMPLES D521A, G521-1, G521-2 ICE CREST & SAL 77 OVERNIGHT DELIVERY SIGNATURE SECURITY SERVICE		Dimensions Pcs. 1 L 36 W 14 H 15 Total Pieces 1 Total Weight (in lbs) 44 1 2 3 4 5 6 7 8 9 0 1 2 Envelope <input type="checkbox"/> 9X12 <input checked="" type="checkbox"/> 12X15 <input type="checkbox"/> Pack <input type="checkbox"/>	
Shipper's Signature X		FOR INFORMATION OR RATES CALL 1-800 HI EMERY (1-800-443-6379)	
International Shipments Free Domicile <input type="checkbox"/> Commodity Code <input type="checkbox"/>		Declared Value \$	
Third party Account Number mandatory for Third party billing. E		Third Party Account Number	
Base Charge		International Customs Value International Insurance Total Transportation Charges Other Charges/Advance at Origin <input type="checkbox"/> OC/AO \$	
Terms and Conditions of Back		TYSA	

Oak Ridge K-25 Site
Analytical Chemistry Department
Results of Analyses

Date Printed:
10-JUL-1991 07:39

AnalIS ID: 910530-001 Project: G132 EN52 Customer Sample ID: B00Y82
Customer: KESSNER/MITCHELL Requisition Number:
Date Sampled: 22-MAY-1991 Date Sample Received: 28-MAY-1991
Sampled By: Date Sample Completed: 20-JUN-1991
Material Description: SOIL ☐ : Result has been Corrected for Spike

Activ. Number	Procedure No.	Analysis	Result	Limit of Error	Units	Analyst	QA File Number	Date Completed
162003	TP-1664	Total Activity	-3.28E1 +/- 3.51E1		pCi/g	J RAMIREZ	WP-959	4-JUN-1991
185403	EPA-300.0	Chloride IC	<20		ug/g	KE EDWARDS	91-52T	20-JUN-1991
	EPA-300.0	Nitrate	<20		ug/g	KE EDWARDS	91-52T	20-JUN-1991
	EPA-300.0	Sulfate	<20		ug/g	KE EDWARDS	91-52T	20-JUN-1991

Program Manager: D. L. Amburgey
Date Approved: 3-JUL-1991